

Approved For Release 2000/04/17 : CIA-RDP78B04560A005200010011-9

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SUMMARY

PHOTOGRAPHIC INTERPRETATION REPORT



25X1C

25X1A

MISSION 5505

10 APRIL 1966

R-120/66
MAY 1966

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WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794, of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

PREFACE

This summary report contains additional information on "new" and "change" targets and order of battle information on all targets listed in the Index (MI) for this mission.

Items are arranged in sections.

The "New" section provides a description of targets newly identified or known but reported for the first time by NPIC.

The "Change" section provides a description of previously reported installations showing a major change, or those where an analysis of current photography furnishes more precise information.

The "Order of Battle" section provides information on targets where order of battle can be identified.

When there are no "New" or "Change" targets, or order of battle information, the appropriate section is omitted.

"New" and "change" targets are arranged 1) by country, 2) within the country according to subject, 3) within the subject by WAC area, and 4) within the WAC area by geographic coordinates in ascending order. Order of battle information is arranged 1) by subject, 2) within the subject according to country, 3) within the country by WAC area, and 4) within the WAC area by geographic coordinates in ascending order.

The map base used (when available and applicable) for the derivation of coordinates is the latest edition of the US Air Target Chart, Series 200, or AMS Series L509 1:250,000 (China); or ONC; or AMS Series 1301, IMW (Tibet, Western China).

The header line for each target contains, reading from

left to right, the target name, the geographic coordinates, the World Aeronautical Chart number, the Bombing Encyclopedia (BE) number, and the NPIC target number.

The COMOR target number, when available, appears above the photo reference data.

Photo reference data includes frame numbers and symbols denoting limiting conditions, photo interpretability, target coverage, and the mode.

Symbols for limiting conditions affecting photography are C (Clear), SC (Scattered Cloud Cover), HC (Heavy Cloud Cover), H (Haze), CS (Cloud Shadow), S (Snow), O (Obliquity), SD (Semidarkness), GC (Ground Cover), CF (Camouflage), and GR (Ground Resolution).

Interpretability of the photography is categorized as G (Good), F (Fair), or P (Poor). Target coverage is denoted by the symbols T (Total) or PT (Partial). The mode of coverage is indicated by ST (Stereo), NS (Non-Stereo), or PS (Partial Stereo).

When appropriate, an index follows "new" and "change" targets and another follows order of battle information, with targets in each index arranged alphabetically within a country.

AAA defenses are divided into three categories: light (ZPU-1, ZPU-2, ZPU-4, 37 mm), medium (57 mm, 85 mm), and heavy (100 mm and larger). The term HMGAA (heavy machine gun antiaircraft) indicates a weapon smaller than a ZPU-1. Where a category cannot be determined, the site will be listed as an AAA site and the number of guns indicated (example: 6-gun AAA site, occupied/unoccupied).

THIS SECTION PROVIDES A DESCRIPTION OF NEW TARGETS.

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p>-NORTH VIETNAM-</p> <p>MILITARY INSTALLATIONS</p> <p>HAIPHONG ARMY BARRACKS 25X1A</p> <p>EAST EDGE OF HAIPHONG AT UTM [REDACTED]</p> <p>AREA CONTAINS 5 SINGLE-STORY BARRACKS</p> <p>AND 1 T-SHAPED ADMINISTRATION BUILDING.</p> <p>[REDACTED]</p>	2051N 10643E	0616		109-R1
<p>ELECTRONICS/COMMUNICATIONS</p> <p>HAIPHONG HF COMMUNICATIONS SITE 25X1A</p> <p>1 NM NE OF HAIPHONG AT UTM [REDACTED]</p> <p>FACILITY CONTAINS 3 STICKMAST ANTENNAS</p> <p>AND A CONTROL BUILDING.</p> <p>(SEE ATTACHMENT 1)</p> <p>[REDACTED]</p>	2052N 10642E	0616		109-D1
<p>BASIC SERVICES</p> <p>PHAM XA RR CLASSIFICATION YARD 25X1A</p> <p>0.2 NM NW OF PHAM XA AT UTM [REDACTED]</p> <p>CLASSIFICATION YARD, 3 TRACKSWIDE, CONTAINS</p> <p>A PASSENGER TERMINAL AND 2 SUPPORT</p> <p>BUILDINGS.</p> <p>ACTIVITY -- 1 LOCOMOTIVE, 14 PASSENGER</p> <p>CARS, AND 2 FLAT CARS.</p> <p>[REDACTED]</p>	2058N 10627E	0616		427-B
STORAGE				

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
EARLY STAGE OF CONSTRUCTION). [REDACTED] 25X1D THAI LAI UG POL STORAGE U/C 0.3 NM SE OF THAI LAI AND 5.4 NM EAST OF HAIPHONG ALONG THE NORTH BANK OF THE CUA CAM (RIVER) AT UTM [REDACTED] 25X1A AREA CONTAINS 10 COMPLETE EXCAVATIONS AND 10 POL STORAGE TANKS IMMEDIATELY WEST ALONG RIVER BANK. (SEE ATTACHMENT 2) [REDACTED] 25X1D	2055N 10637E	0616		427-A

THIS SECTION PROVIDES A DESCRIPTION OF PREVIOUSLY REPORTED TARGETS SHOWING CHANGE.

Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
<p>-NORTH VIETNAM-</p> <p>MISSILES</p> <p>HAIPHONG SAM SITE B28-2 19.3 NM WEST OF HAIPHONG. SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS AND A REVETTED CENTRAL GUIDANCE AREA. (SEE ATTACHMENT 3)</p> <p>25X1A 25X1D</p>	2052N 10620E	0616	25X1A	310-E
<p>HAIPHONG SAM SITE A33A-2 7 NM NW OF HAIPHONG. SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS IN AN IRREGULAR CONFIGURATION AND A REVETTED CENTRAL GUIDANCE AREA. ACQUISITION RADAR REVETMENTS ARE IMMEDIATELY SOUTH. (SEE ATTACHMENT 4)</p> <p>25X1A 25X1D</p>	2054N 10638E	0616		109-Z3
<p>HAIPHONG SAM SITE B29-2 17.8 NM WNW OF HAIPHONG. SITE IS BEING RETURNED TO CULTIVATION. ONLY SCARRING FROM LAUNCH POSITIONS AND GUIDANCE AREA REMAIN. (SEE ATTACHMENT 5)</p> <p>25X1A 25X1D</p>	2055N 10622E	0616		310-D
<p>HAIPHONG SAM SITE A33-2 6 NM NW OF HAIPHONG. SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS</p>	2056N 10636E	0616		371-C

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25X1A

25X1D

25X1D

Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
AND A REVETTED CENTRAL GUIDANCE AREA. (SEE ATTACHMENT 6) [REDACTED] 25X1D AIR INSTALLATIONS HAIPHONG/CAT BI AIRFIELD 7,700 X 190 FT ENE/WSW CONCRETE RUNWAY, SERVICEABLE. FORMER NNW/SSE CONCRETE RUNWAY IS NOW USED FOR A PARKING APRON. FACILITIES INCLUDE A PARALLEL TAXIWAY WITH 2 END-CONNECTING AND 3 CROSSOVER LINKS, A PARKING APRON TO THE NORTH, 2 LARGE AND 1 SMALL HANGAR, A CONTROL/OPERATIONS BUILDING, APPROXIMATELY 23 ASSOCIATED BUILDINGS, AT LEAST 24 OLD AND 8 NEW AIRCRAFT REVETMENTS (WITH EXHAUST VENTS/PERSONNEL EXIT SLITS), AND A POL STORAGE AREA 0.4 NM NORTH CONTAIN- ING 3 LARGE BURIED TANKS. ACTIVITY -- 2 PROBABLE HOOK (MI-6) SHIPPING CRATES ON THE SW PARKING APRON AT UTM [REDACTED] (SEE ATTACHMENT 7) [REDACTED] 25X1D MILITARY/NAVAL INSTALLATIONS CAT BA COASTAL DEFENSE SITES TWO AREAS IMMEDIATELY EAST AND WEST OF CAT BA. AREA A [REDACTED] -- NOT COVERED. AREA B [REDACTED] -- 4 PROBABLE COASTAL DEFENSE POSITIONS (1 IN EARLY STAGE AND 3 IN LATE STAGE OF CONSTRUCTION). [REDACTED] 25X1D	2049N 10643E	0616	25X1A [REDACTED]	109-A
	2043N 10703E	0615	[REDACTED]	110

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	Target	Coordinates	WAC	Target Numbers	
				BE	NPIC
25X1D	<p>NUMEROUS PILES OF MATERIAL IN OPEN STORAGE OBSERVED ALONG THE SERVICE ROAD. (SEE ATTACHMENTS 8 AND 9)</p> <p>HAIPHONG NAVAL BASE SOUTH BANK OF CUA CAM (ESTUARY), AT THE MOUTH OF THE SONG TRAM BAC (CANAL) AT UTM</p> <p>BASE CONTAINS 1 T-HEAD PIER AND APPROXIMATELY 8 BUILDINGS. VESSELS -- 4 UNIDENTIFIED VESSELS.</p>	2052N 10640E	0616		
25X1A	<p>25X1D</p> <p>HAIPHONG BARRACKS AREA 2 NM NORTH OF HAIPHONG AT UTM</p> <p>SECURED AREA CONTAINS 15 BARRACKS, 1 ADMINISTRATION, 1 MESSHALL, AND 7 SUPPORT BUILDINGS.</p> <p>ELECTRONICS/COMMUNICATIONS</p> <p>HAIPHONG RADAR SITE 1.9 NM EAST OF THE CENTER OF HAIPHONG AT UTM</p> <p>EARLY WARNING RADAR SITE CONSISTS OF A REVETTED, TRUCK-MOUNTED PROBABLE KNIFE REST B RADAR AND A REVETTED SUPPORT VAN TRUCK. (SEE ATTACHMENT 10)</p>	2053N 10641E	0616	25X1A	109-E
25X1D	<p>25X1D</p> <p>25X1D</p> <p>25X1D</p> <p>25X1D</p> <p>25X1D</p>	2051N 10643E	0616		109-J
25X1A	<p>25X1D</p> <p>25X1D</p> <p>25X1D</p> <p>25X1D</p> <p>25X1D</p>				109-R

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
INDUSTRY HAIPHONG SHIPYARD ON THE SOUTH BANK OF CUA CAM (ESTUARY) AT UTM [REDACTED] 25X1D SHIPYARD CONTAINS 2 DRYDOCKS, 4 SMALL REPAIR WAYS, 1 FINGER PIER, EIGHT 3-STORY BUILDINGS, AND APPROXIMATELY 8 OTHER BUILDINGS. VESSELS -- 5 UNIDENTIFIED VESSELS. [REDACTED] 25X1D	2052N 10640E	0616		109-Q
PORTS AND HARBORS HAIPHONG PORT FACILITIES ON SOUTH BANK OF THE CUA CAM (ESTUARY). FACILITIES INCLUDE AN APPROXIMATELY 4,000-FT WHARF (SERVED BY 17 RAMPS), NUMEROUS SMALL DOCKS AND PIERS, A SHIP REPAIR YARD WITH 4 MARINE RAILWAYS, 12 LARGE WAREHOUSES, NUMEROUS STORAGE AND SUPPORT BUILDINGS, A LARGE POL STORAGE AREA, A THERMAL POWER- PLANT, AND AN ACTIVE CEMENT PLANT. A NEW PIER IS UNDER CONSTRUCTION AT UTM [REDACTED] 25X1D OB -- 2 P-4-CLASS PT IN DRYDOCK. VESSELS -- 1 MURØM-CLASS RUSSIAN FREIGHTER, 1 POLTAVA/PEKEKOP-CLASS RUSSIAN FREIGHTER, 1 SONG JIANG-CLASS CHINESE FREIGHTER, 1 KAZBEK-CLASS RUSSIAN TANKER, 70 BARGES, 1 PILE DRIVER, AND NUMEROUS RIVER CRAFT. ACTIVITY -- APPROXIMATELY 60 CARGO TRUCKS, 14 CRANES, AND NUMEROUS UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT IN PORT AREA AND APPROXIMATELY 29 BOX CARS AND 11 GONDOLA CARS. [REDACTED] 25X1D	2052N 10642E	0616	25X1A [REDACTED]	109-D

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Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
STORAGE HAIPHONG POL STORAGE U/C AREA PREVIOUSLY REPORTED AS POL STORAGE UNDER CONSTRUCTION APPEARS TO BE AN 8-GUN AAA SITE AT UTM [REDACTED] 25X1D [REDACTED] 25X1D	2052N 10641E	0616		109-U

THIS SECTION PROVIDES ORDER OF BATTLE INFORMATION.

Target	Coordinates	WAC	Target Numbers	
			BE	NPIC
-NORTH VIETNAM-				
NAVAL				
HAIPHONG CHANNEL OB -- 2 SWATOW-CLASS PGM AT [REDACTED]	2050N 10640E	0616		109-C
[REDACTED]			25X1A	
HAIPHONG PORT FACILITIES OB -- 2 P-4-CLASS PT IN DRYDOCK. VESSELS -- 1 MUROM-CLASS RUSSIAN FREIGHTER, 1 POLTAVA/PEKEKOP-CLASS RUSSIAN FREIGHTER, 1 SONG JIANG-CLASS CHINESE FREIGHTER, 1 KAZBEK-CLASS RUSSIAN TANKER, 70 BARGES, 1 PILE DRIVER, AND NUMEROUS RIVER CRAFT. ACTIVITY -- APPROXIMATELY 60 CARGO TRUCKS, 14 CRANES, AND NUMEROUS UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT IN PORT AREA AND APPROXIMATELY 29 BOX CARS AND 11 GONDOLA CARS.	2052N 10642E	0616		109-D
[REDACTED]				
ELECTRONICS/COMMUNICATIONS				
HAIPHONG RADAR SITE OB --- 1 PROBABLE TRUCK-MOUNTED KNIFE REST B RADAR WITH 1 SUPPORT VAN TRUCK. (SEE ATTACHMENT 10)	2051N 10643E	0616		109-R
[REDACTED]				
MISCELLANEOUS			25X1A	
HAIPHONG/CAT BI AIRFIELD ACTIVITY -- 2 PROBABLE HOOK (MI-6)	2049N 10643E	0616		109-A

	Target	Coordinates	WAC	Target Numbers	
				BE	NPIC
25X1D	SHIPPING CRATES. (SEE ATTACHMENT 7) [REDACTED]			25X1A	
25X1D	HAIPHONG RR STATION CLASS YD & SHOPS ACTIVITY -- APPROXIMATELY 50 PIECES OF ROLLING STOCK. [REDACTED]	2051N 10641E	0616	[REDACTED]	109-L
25X1D	HAIPHONG NAVAL BASE VESSELS -- 4 UNIDENTIFIED VESSELS. [REDACTED] 25X1A	2052N 10640E	0616	[REDACTED]	109-E
25X1D	HAIPHONG SHIPYARD VESSELS -- 5 UNIDENTIFIED VESSELS. [REDACTED]	2052N 10640E	0616	[REDACTED]	109-Q
25X1D	HAIPHONG COMPLEX ACTIVITY -- 1 OCCUPIED HEAVY (100 MM), 1 OCCUPIED MEDIUM, AND 4 OCCUPIED LIGHT AAA SITES. (SEE ATTACHMENTS 11-14) [REDACTED]	2052N 10641E	0616	[REDACTED]	109
25X1D	PHAM XA RR CLASSIFICATION YARD ACTIVITY -- 1 LOCOMOTIVE, 14 PASSENGER CARS, AND 2 FLAT CARS. [REDACTED]	2058N 10627E	0616		427-B